

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

1. (Currently Amended) An isolated nucleic acid molecule, comprising:

- (a) a nucleotide sequence selected from the group consisting of SEQ ID NO[s]: 1-6 [4-47]; or
- (b) a nucleotide sequence which is the full-length complement of (a); wherein the nucleic acid molecule was isolated from human embryonic stem cells.

4. (Currently Amended) The nucleic acid molecule of claim 3, wherein the nucleic acid molecule has a nucleotide sequence selected from the group consisting of SEQ ID NO[s]: 84-[99]87.

9. (Currently Amended) A marker specific to a human embryonic stem cell, comprising the nucleic acid molecule of claim 1.

10. (Currently Amended) The marker of claim 9, wherein the human embryonic stem cell is ~~any one selected from the group consisting of embryonic stem cell, an~~ embryonic carcinoma stem cell ~~and adult neural stem cell.~~

11. (Currently Amended) The marker of claim 9, wherein the human embryonic stem cell is an undifferentiated embryonic stem cell.

12. (Currently Amended) The marker of claim 11, wherein the marker has a nucleotide sequence selected from the group consisting of ~~SEQ ID NOS: 1-10 and SEQ ID NOS:~~ ~~43-46~~ SEQ ID NO: 1-6.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Janet L. Epps-Smith whose telephone number is 571-272-0757. The examiner can normally be reached on M-F, 10:00 AM through 6:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Woitach can be reached on 571-272-0739. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Janet L. Epps-Smith/
Primary Examiner, Art Unit 1633